

Serial Number: 09/960,706

ENTERED

CRF Processing Date: 12/7/2001

Edited by: [Signature]

Verified by: [Signature]

(STIC stat

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line. #2
- ☐ Edited a format error in the Current Application Data section, specifically: _____
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____
- ☒ Deleted: ☒ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically: _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☐ Other: _____

Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/960,706

DATE: 12/07/2001

TIME: 19:16:25

Input Set : N:\jumbos\960706.txt

Output Set: N:\CRF3\12072001\I960706.raw

p.5

3 <110> APPLICANT: Munger, William E.
 5 <120> TITLE OF INVENTION: Identifying Drugs for and Diagnosis of Benign Prostatic Hyperplasia Using
 6 Gene Expression Profiles
 8 <130> FILE REFERENCE: 44921-5029-01US
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/960,706
 C--> 11 <141> CURRENT FILING DATE: 2001-09-24
 13 <150> PRIOR APPLICATION NUMBER: 60/223,323
 14 <151> PRIOR FILING DATE: 2000-08-07
 16 <150> PRIOR APPLICATION NUMBER: 09/873,319
 17 <151> PRIOR FILING DATE: 2001-06-05
 19 <160> NUMBER OF SEQ ID NOS: 1124
 21 <170> SOFTWARE: PatentIn Ver. 2.1
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 25 <212> TYPE: DNA
 26 <213> ORGANISM: Homo sapiens
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 34 gccagccac caccgccaga acactatttg ggctggagtg tgaccgccga ggtgatcctg 180
 35 gcaggaggct ggggttggt cctcgactcc acaaactg aggagtgggt ggggacacca 240
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 40 <211> LENGTH: 426
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 55 atcagcatat cacatggcga gagagaacaa agagctgcca ggctttttta agcaaccaga 180
 56 tctcatgtga acttagagag tgagaatgta aggttagccg agagaaagga ccagagagag 240
 57 agagcccaaa gttcaggcaa gcctttatta acctgtcggc tgccccctta acagtcaagg 300
 W--> 58 aaagcagccc caagcttaca gaataggggg tttacattng gggcaggag tttgaggag 360
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 63 <211> LENGTH: 433
 64 <212> TYPE: DNA

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/960,706

DATE: 12/07/2001

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Input Set : N:\jumbos\960706.txt

Output Set: N:\CRF3\12072001\I960706.raw

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68 <223> OTHER INFORMATION: Genbank Accession No. AA005382

70 <400> SEQUENCE: 3

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73 atatgtgctc tgctttactt acaccaact ctaacctgcg agcatattag gaaaaaagaa 180
74 gcaagtgcac ccaataaaat tatttgtaac ttaatttgta tgaggcggga caagggtgct 240
75 tttgatccaa gtctggtatt tcttggttaa cagggtgtag attccaggct ttgtggcaac 300
76 accacattca tgacctccag agactatagc gtgggaagac acctttacag atcaaggggc 360
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78 tgtctttggt gat 433

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91 ctacactatt atttaaaaaa aaaactcaca aaaagaaaaa tgttatcact acaagtagga 180
92 attagaagag agaaatcctg gcagtcctgc tagagggttaa aacatttcat gcatttgtga 240
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104 <221> NAME/KEY: unsure

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106 <223> OTHER INFORMATION: n = a or c or g or t

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111 ggatatattg ctttgataat tataaagcta tttttttcat tttaaaagta gctaagtttt 180
112 caacatttca aaaacttttt ccagatcttc tgtatacttt tctgtaggca tcctagttaa 240
113 acatgtacaa ttcaaatgac cacatgctgg agagccaggc gcgtcccat gcaggcgacg 300
W--> 114 tgggcctctt agaagcagcc tcctgagntg tgtagcctcc tgcagccata cagtcctgct 360
115 ctggtcgccc gtctcagcct cggtcctgag cagcctgtgg gaatggtggc gacgggacag 420
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123 <220> FEATURE:

124 <223> OTHER INFORMATION: Genbank Accession No. AA009755

RAW SEQUENCE LISTING
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Output Set: N:\CRF3\12072001\I960706.raw

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134 gtttagtaat cgtctaagaa taattgtaga aataacccca attccaccat cccagccact 180
135 ggtataaaac aaataccttc catgaaactg tctttcacat aactaaaata tcctcactta 240
136 cttggaacaa tttcatgctt acacatgatc acaaacattt gtttttagat gttgtggaat 300
137 tactggagct gagatttctg aaacaatatc tgaatcttag cagagagata ataatccttt 360
138 cactatacat tgcttgggct tccttaacca aatctgagta actactggta ataataatgc 420
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146 <220> FEATURE:
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151 ttacagtgat tcaaaaaaaaaa ttcagaataa tttggccttt tcattgctca tgcagtcagt 120
152 ttataagtcc atgtattaga cggccctcca tggcccagaa gtcttccctg ctgaaggctg 180
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178 <220> FEATURE:
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184 tgcaggc 127
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RAW SEQUENCE LISTING

DATE: 12/07/2001

PATENT APPLICATION: US/09/960,706

TIME: 19:16:25

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Output Set: N:\CRF3\12072001\I960706.raw

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W--> 202 ggtataagat agatcncctt ccatagccac agagtatcca gttattaata caaaciaaatg 180
203 agaagaggaa ggggagagca agtcttttctt tgttttttaga gcacaatcca gaagttgaat 240
204 tcttatctta gtcacattaa attggctaga gtatcgttac gtagtcagac ctagagttgc 300
205 aaaggagact gaaaaaatgc agtttaatat gaacagccat gtgtccagggt aaaaattctg 360
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232 <221> NAME/KEY: unsure
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239 tgaccactcc ataggcagag aaacgtcact ttaaggtttt gacatcaatt gatttttgtc 180
240 caaatcaata attactgcaa tgattgaaaa atgattatta ctaagtttgt tttcattgtc 240
241 tcaaggctctg ctgaactctg gatccaggct gtgtcaacag ggtagtgtgg tgccctctgt 300
242 acctgtcttg gcctctaca gtccttttta cttattttgt tttttagaat tagagacagg 360
W--> 243 gtcttactat gttgctcaga ctgggnttca aactcctagg ctcaagcaat ctccagcct 420
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245 tt 482

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RAW SEQUENCE LISTING

DATE: 12/07/2001

PATENT APPLICATION: US/09/960,706

TIME: 19:16:25

Input Set : N:\jumbos\960706.txt

Output Set: N:\CRF3\12072001\I960706.raw

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258 ggagagtaat acaaaaaaat aaggaataaa agctaaagat ctaactactc cgaccttcac 180
259 aattccagct acttgataat aataggagta acccaatgaa tactgtatgg tctgaaagct 240
260 actatacaat atgattctta acgagaaggg aagggaatta gagactgtca caaagccctg 300
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280 tttctggggc agacttttct cggggcgat ctttggaac ggacagaaat tcgggtgcgt 180
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295 tttaagagtc catcaaagtg tcatatgtgt taggtgtgaa atggcgacac tgggaattac 180
296 tgtaataaag ggggtggctgc agcacgggta ttgttatgag aacatcccca ccgccccact 240
297 tttgtttgaa gactttcgta ctgaactaca tgttgtttac tttcaacaac gtatacacta 300
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303 <213> ORGANISM: Homo sapiens
305 <220> FEATURE:
306 <223> OTHER INFORMATION: Genbank Accession No. AA026641

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→ Use of n and/or Xaa has been detected in the Sequence Listing.
 Review the Sequence Listing to insure a corresponding
 explanation is presented in the <220> to <223> fields of
 each sequence using n or Xaa.

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/960,706

DATE: 12/07/2001

TIME: 19:16:26

Input Set : N:\jumbos\960706.txt

Output Set: N:\CRF3\12072001\I960706.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application Number
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:58 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:59 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:114 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:116 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:139 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:169 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:171 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
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L:206 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:243 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:244 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:281 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:314 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
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VERIFICATION SUMMARY

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L:738 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36
L:739 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36

OIPE

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/960,706

DATE: 12/06/2001
 TIME: 09:44:18

Input Set : N:\jumbos\960706.txt
 Output Set: N:\CRF3\12062001\I960706.raw

3 <110> APPLICANT: Munger, William E.
 5 <120> TITLE OF INVENTION: Identifying Drugs for and Diagnosis of Benign Prostatic
 Hyperplasia Using
 6 Gene Expression Profiles
 8 <130> FILE REFERENCE: 44921-5029-01US
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/960,706
 C--> 11 <141> CURRENT FILING DATE: 2001-09-24
 13 <150> PRIOR APPLICATION NUMBER: 60/223,323
 14 <151> PRIOR FILING DATE: 2000-08-07
 16 <150> PRIOR APPLICATION NUMBER: 09/873,319
 17 <151> PRIOR FILING DATE: 2001-06-05
 19 <160> NUMBER OF SEQ ID NOS: 1124
 21 <170> SOFTWARE: PatentIn Ver. 2.1

Does Not Comply
 Corrected Diskette Needed

ERRORED SEQUENCES

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 33784 <400> SEQUENCE: 1124
 33785 gcttctgaag cttctgggcc ctgcagtccc agctctgtgc aaacctaacc ccgagcaaca 60
 33786 ccatgaagct ctgcgtgtct gccctctctc tcctcttgct cgtggctgcc ttctgtgctc 120
 33787 cagggttctc agcaccaatg ggctctgacc ctcccacttc ctgctgtttc tcttacacct 180
 33788 cccggcagct tcacagaagc tttgtgatgg attactatga gaccagcagt ctttgctcca 240
 33789 agccagctgt ggtattcctg accaaaagag gcagacagat ctgtgctaac ccagtgagc 300
 33790 cctgggtcac tgagtacatg agtgacttgg agttgaactg agcagctcca gcggcagggc 360
 33791 aggaggagcc acttcaggag aggcctctc agccctgatg cttctcactg agaagcgtcc 420
 33792 ttgctcctca cgttcagatt tcctgccccct cttcttaatt taaatctctg tgtagacttt 480
 33793 gttttgtttt tttgggggag tattatttct attatttatg ttttagttat aggacgcgtg 540
 33794 tctcccatgg agatggtcca ccattgctgt ttctctgcta ttgtggatat gactgtgaaa 600
 33795 ttgatttcat gcattttcat aataaatctt tctttaag 638
 E--> 33797 546

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/960,706

DATE: 12/06/2001
TIME: 09:44:25

Input Set : N:\jumbos\960706.txt
Output Set: N:\CRF3\12062001\I960706.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application Number
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:58 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:59 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:114 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:116 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:139 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:169 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:171 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:202 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:206 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:243 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:244 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:281 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:314 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:315 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:318 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:319 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:320 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:358 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:359 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:360 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:394 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:395 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:414 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:449 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:450 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:451 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:452 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:453 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:456 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:477 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:478 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:500 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:501 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:502 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:503 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:526 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:564 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:586 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
L:587 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
L:588 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
L:589 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
L:612 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:663 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33
L:684 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:689 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:690 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/960,706

DATE: 12/06/2001

TIME: 09:44:25

Input Set : N:\jumbos\960706.txt

Output Set: N:\CRF3\12062001\I960706.raw

L:706 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35

L:715 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35

L:738 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36

L:739 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36

L:33797 M:254 E: No. of Bases conflict, LENGTH:Input:546 Counted:638 SEQ:1124